

PRETREATED GAS DISTRIBUTION PLATE

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ABSTRACT OF THE DISCLOSURE

10 A gas distribution plate (GDP) GDP is pretreated before implementation in a semiconductor fabrication apparatus so as to be stable over the operational lifetime of the GDP. The pre-treatment acts to reduce undesired reactions of the GDP with process chemistry used in the semiconductor fabrication apparatus. The pre-treatment is applied to at least a portion of the gas distribution plate. Preferably, surfaces of the gas distribution plate which come in contact with the process chemistry are pretreated.